

Title (en)

Vibratory compactor having vibrationally tuned frame.

Title (de)

Schwingwalze mit abgestimmten Schwingungsrahmen.

Title (fr)

Compacteur vibrant avec cadre vibrant accordable.

Publication

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Application

EP 93401952 A 19930727

Priority

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- US 11745693 A 19930907

Abstract (en)

A vibratory compacting machine (10) has a supplemental member (38) resiliently mounted on the frame (16) of the compacting machine (10). The supplemental member (38) has a resonant frequency that is substantially equal to the operating frequency of the vibratory compactor and effectively reduces the frame vibration. As a result of reduced frame vibration, the present invention provides increased operator comfort and extended service life of electronic, electrical and mechanical components mounted on the compacting machine (10). <IMAGE>

IPC 1-7

E01C 19/28

IPC 8 full level

E01C 19/28 (2006.01)

CPC (source: EP US)

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Citation (search report)

- [A] EP 0459063 A1 19911204 - CATERPILLAR PAVING PROD [US]
- [A] DE 3428553 A1 19860206 - SAKAI JUKOGYO KK [JP]
- [A] EP 0168572 A2 19860122 - SIMESA SPA [IT]
- [A] US 3108519 A 19631029 - DOMENICO DOMENIGHETTI
- [A] GB 1191706 A 19700513 - STAVOSTROJ NARODNI PODNIK [CS]

Cited by

CN102493322A; US5664909A; EP0777016A1; CN103671322A; EP3832015A1; US11542669B2

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